

MODULENS G, MODULENS O AND INNOVENS RANGES

MAKE THE MOST OF PERFORMANCE

ECONOMIC

ENERGY

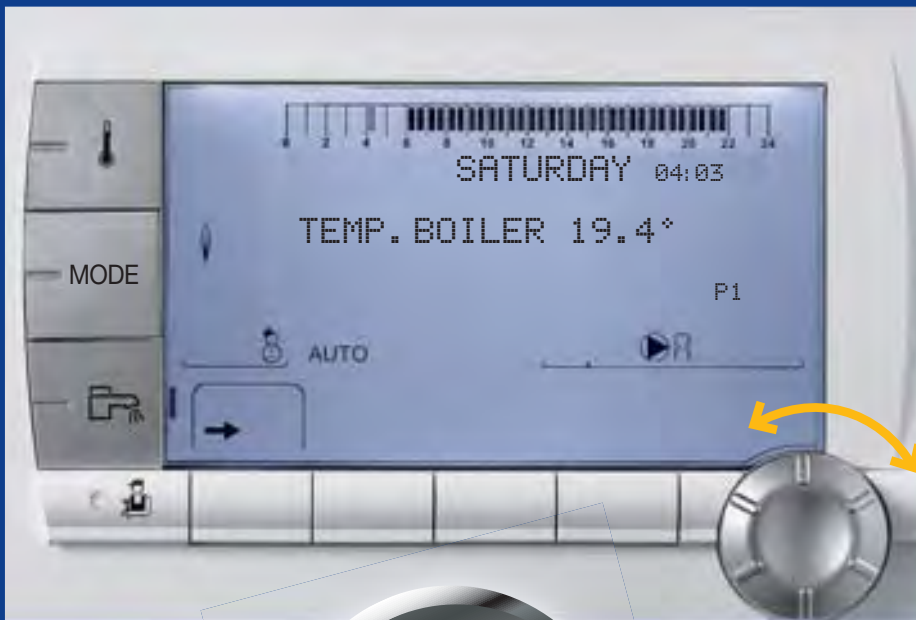
ECO-FRIENDLY



SOLAR
SOLID FUEL
HEAT PUMPS
CONDENSING OIL/GAS

De Dietrich
Sustainable Comfort®





PERFORMANCE WITH THE DIEMATIC iSYSTEM INTELLIGENT CONTROL SYSTEM

ON MODULENS G, MODULENS O AND INNOVENS

You can offer your customers the opportunity to spend less and protect the planet, whilst enhancing their own well-being!

- De Dietrich fits out its three Modulens O/G and Innovens ranges as **standard** with the interactive control system that can be programmed and run according to the outside temperature
- It allows **very precise control** of the installation with accuracy of $\pm 0.5^{\circ}\text{C}$ and can manage **up to five circuits**
- It is **evolutive** and will therefore fit perfectly into a **home automation management** system. It can be regularly updated by simply updating the Software
- All by itself it can provide **energy savings of 15%** compared with an installation without a control system
- Diematic iSystem provides a **real time readout of energy consumption**
- As part of a **multi-energy system**, it can set energy priorities, taking advantage of free energy contributions to ignite the boiler only when absolutely necessary
- It is **easy to use** with its backlit LCD screen with plain text display, rotary button, pre-set programs for your customers and an **embedded instruction manual and After Sales assistance** for you
- **Ideal in renovation projects**, the CDI D iSystem interactive remote control with radio transmission module enables **wireless** communication with the boiler's control panel



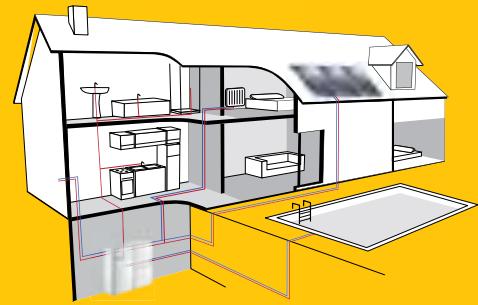
REMOTE CONTROL

The Diematic iSystem application can be used to control your heating and domestic hot water installation via the Diematic iSystem control system from your smart tablet, your PC or your Smartphone (iOS or Android)

For example:

- **To modify** the heating and DHW temperatures
- **To force** temporary use of the heating or DHW production mode
- **To display consumption data** for heating and DHW in kWh
- **To modify hourly programs** and choose modes (holidays, reduced, comfort, automatic)

ULTRA-EFFICIENT ULTRA-MODULAR from 10 to 35 kW



Suitable for multi-energy systems

Modulens O oil condensing boiler HIGH TECHNOLOGY WITH OIL

With its new patented modulating burner, its new design and its modular concept, the Modulens O range of oil condensing boilers offers the best of high performance with oil.

Patented burner

- The oil burner, modulating from 59 to 100%, is a unique patented concept
- A micro-booster is combined with the oil pump. This system reduces start-up frequency to the minimum and adapts output to needs
- Fewer pollutant emissions, quieter and, above all, more savings

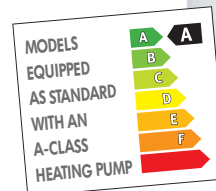


Maximum domestic hot water comfort

- New concept of very compact floor-standing boilers (L 60 cm x D 98.5 cm) with boiler and 100- or 160-litre DHW tank that can be combined any way you choose. It is also possible to add a 220-l solar DHW tank
- The Titan Active System tank protection system guarantees the longevity of the DHW tanks... totally maintenance-free!
- Ultra-responsive DHW tanks with plate exchangers for maximum DHW comfort and a flow rate of 24 l per minute for AFC 24/V 100 HL

Monoblock heat exchanger exclusive to De Dietrich

- The ultra-responsive stainless steel heat exchanger with its large combustion chamber is designed to optimise heat exchange, make the most of the burner's high performance and achieve annual efficiency of up to 105%



AFC 18-24-30 kW

Equipment designed to save energy

- Every component is selected for its low energy consumption
- The modulating A-class pump provides a reduction in electricity consumption



AFC/V 160 SL



AFC/V 100 HL

Compact, time-saving design

- Modulens O comes fully equipped and ready to be connected with: modulating A-class circulating pump, pressure gauge, safety valve and automatic air vent
- Its modular design, its low weight and its straightforward connection to a chimney or forced flue with the same model of boiler help to save a substantial amount of time on installation compared with a conventional solution
- Moreover, the components are easily accessed from the front for problem-free maintenance.



AFC/B 160 SL



AFC/B 220 SHL

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Modulens G gas condensing boiler CONDENSING TECHNOLOGY IN EXCELLENCE MODE

A concentrate of the latest technological innovations in gas combustion.

Silent, high performance burner

- Up to 30% energy savings with a burner that modulates from 22 to 100%
It prevents repeated ignition start-ups to provide **annual efficiency of up to 109%**
- Very **quiet**, it boasts a maximum acoustic power of only 45dB(A) for AGC 15

High tech heat exchanger in aluminium-silicium

- Perfectly suited to condensing technology thanks to its **resistance to the acidic condensates** from the flue gases
- Very good **heat conductor**: conductivity of aluminium 7 times greater than steel, for example
- Its low weight and its castability make it possible to produce a heat exchanger which is architecturally **complex, very light and ultra-responsive**

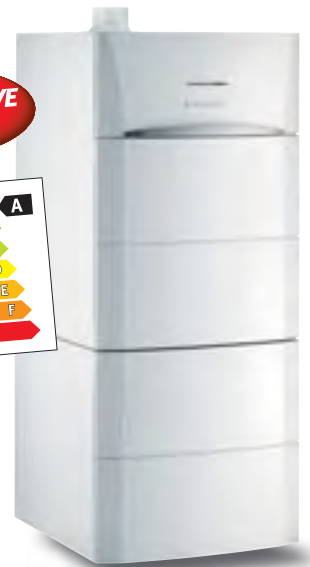
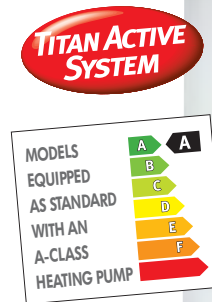


Wide choice of domestic hot water production solutions

- The Modulens G boiler adapts perfectly to several types of **100- or 160-l** DHW tanks and even to a **220-l** solar tank version
- The 100-l "High Load" version equipped with a plate exchanger enables DHW flow rates of up to **25.5 litres per minute**
- Equipped with the **Titan Active System** for perfect water conservation and the longevity of the installation

Ready to use

- Tested in the factory, **fully equipped and ready for connection** with modulating A-class circulating pump, expansion vessel, pressure gauge, safety valve, automatic air vent and outside temperature sensor
- The **modularity of solutions**, in a column or juxtaposed, mean it can be installed anywhere
- All components can be **accessed from the front** of the boiler and the **back-lighting inside** the boiler facilitates maintenance



AGC/V 100 HL



AGC10/15
15-25-35kW



AGC/V 160 SL



AGC/VL 160 SL



AGC/B 160 SL



V 220 SHL solar DHW tank



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Innovens wall-hung gas condensing boiler

CONDENSING TECHNOLOGY AT THE CUTTING EDGE OF INNOVATION

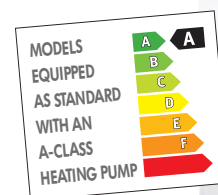
Innovens wall-hung gas condensing boilers offer acoustic comfort and very high efficiency and fit in anywhere.

Custom DHW comfort

- The Innovens range of wall-hung gas condensing boilers, from 10 to 35 kW, offers a range of solutions for producing domestic hot water
- **BIC version**, the boiler comes with 40 litres of storage in the form of three fully insulated stratification tanks. Result: a **DHW flow rate of 20 litres per minute**
- **Combi version**, output is boosted to 28 kW and the stainless steel plate exchanger is amply sized to provide a **DHW flow rate of 14 litres per minute**
- Models with a **separate 60- or 130-litre DHW tank**, with an enamelled lining protected by magnesium anode or Titan Active System



TITAN ACTIVE SYSTEM



MCA 10 / 15 / 25 / 35
MCA 25-28 MI

Ultra-straightforward installation and maintenance

- Whether connected to a chimney or forced flue, for running on natural gas or propane, the installation of Innovens boilers is made easier by the **mounting frame pre-fitted** with the water valves, the gas supply valve, a disconnecter for filling the installation and a pressure gauge
- It can be fitted in anywhere thanks to its **compactness** (H 69 cm x W 45 cm x D 45 cm) and its **feather-light weight** (34 kg)
- When you remove the front panel from the boiler, the **very practical inside lighting** facilitates access to all components



MCA 25-28 BIC



MCA 15 / 25 / 35
BS 60



MCA 10 / 15 / 25 / 35
BS 130

Innovative, silent, sustainable technology

- The boilers in the Innovens range come with **electronic ignition** and flame control by ionisation
- An **ultra-responsive**, highly efficient heat exchanger in aluminium-silicium combined with a **burner that modulates from 22 to 100%** allow **efficiency of up to 109%**
- The large surface area of the burner in braided metal fibres and a provision of combustive air at a constant ratio ensure **very low pollutant emissions** over the entire modulation range. The reduction in pollutant emissions may be as much as 50% and the **energy saving as much as 30%**
- The MCA BIC model boasts an **acoustic power of only 32.5 dB(A)** in low output, i.e. considerably below the standards requirement for installation in an open-plan kitchen

ADVANCE

